

**ABSTRACT OF THE DISCLOSURE**

A guyed tower is used to support wireless communication equipment and/or other types of loads. The guyed tower is fixedly attached to a foundation, and a pole tower is erected within a middle region of the guyed tower. This pole tower is also fixedly attached to the foundation. The pole tower supports the guyed tower by absorbing bending moments that are applied to the guyed tower. Thus, the presence of the pole tower within the middle region of the guyed tower enables the guyed tower to support additional wireless transmission equipment and/or other types of loads.